

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference S 3536	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/SE 2003/001925	International filing date (day/month/year) 10 December 2003	(Earliest) Priority Date (day/month/year) 12 December 2002
Applicant ALFA LAVAL CORPORATE et al		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 2 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (see Box No. II)

3. ☐ Unity of invention is lacking (see Box No. III)

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2003/001925

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: C10M 175/00, C10M 175/02, C10G 31/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: C10M, C10G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 9514752 A1 (KEMISK SEPARERING TUMBA AKTIEBOLAG), 1 June 1995 (01.06.1995), whole document --	1-7
A	US 4710159 A (PER GULLERS), 1 December 1987 (01.12.1987); whole document --	1-7
A	US 4820256 A (TORBJÖRN NORDSTRÖM), 11 April 1989 (11.04.1989), whole document -----	1-7

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

10 March 2004

Date of mailing of the international search report

11-03-2004

Name and mailing address of the ISA/

Swedish Patent Office

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

27/02/2004

PCT/SE 2003/001925

WO	9514752	A1	01/06/1995	AT	236241	T	15/04/2003
				AU	1207295	A	13/06/1995
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				DE	69432432	D,T	29/01/2004
				EP	0731830	A,B	18/09/1996
				SE	0731830	T3	
				ES	2196052	T	16/12/2003
				JP	9505622	T	03/06/1997
				SE	512750	C	08/05/2000
				SE	9303961	A	30/05/1995
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US	4710159	A	01/12/1987	DE	3567588	D	00/00/0000
				EP	0197063	A,B	15/10/1986
				SE	0197063	T3	
				JP	62500365	T	19/02/1987
				SE	8405015	D	00/00/0000
				WO	8602021	A	10/04/1986
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US	4820256	A	11/04/1989	BR	8602518	A	27/01/1987
				DE	3666920	D	00/00/0000
				EP	0205246	A,B	17/12/1986
				JP	1985560	C	25/10/1995
				JP	7016629	B	01/03/1995
				JP	61283364	A	13/12/1986
				SE	448150	B,C	26/01/1987
				SE	8502830	D	00/00/0000